

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: WU, Chin-Ping

SERIAL NO.:

FILED: Herewith

TITLE: TEMPERATURE-RATED VARIABLE SPEED CONTROL CIRCUIT OF AN ELECTRIC FAN

PRELIMINARY AMENDMENT

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In conjunction with the filing of the present application, and prior to an initial Official Action on this matter, please amend the above-identified application as follows:

Preliminary Amendment: SPECIFICATION AMENDMENTS

In Paragraph [0004], please amend the paragraph as follows:

A key technical issue that needs to be resolved primarily lies in how best to address issues surrounding the conventional D.C. electric fan having a less than perfected temperature control feature; and excessive electromagnetic noise at low cycles;.

In Paragraph [0010], please amend the paragraph as follows:

FIG. 2 shows a graphic illustration showing a temperature curve view of the electric fan air-volume speed-control circuit as proposed by the invention.

IN THE ABSTRACT

On page 10, please amend the Abstract as follows:

The invention pertains to a preferred embodiment of an An electric fan temperature-rated variable speed control circuit, which is comprised of includes a D.C. current source and fan activation IC-, and. There are, between the current source positive and negative poles are serially connected

transistor R1, regulation tube D2, with the regulation tube D2 negative pole linked to the current source negative pole, and its positive pole, incorporated to form the primary current, where its positive pole also contains bypass thermal resistor Rtr linking to triode Q1 base. Between said triode Q1 base and collector lies a serially connected resistor Q2, whose collector is linked to the current negative pole, and its current base passing through resistor R3 to link to triode Q2 to provide the triode Q2 with a second primary current. Said. The triode Q2 collector is linked to the current source positive pole, and between its base and collector lies a serially connected rectifying resistor R4, which bypasses through the base to connect with the fan activation IC for sending out fan rotation speed control signals with which to form a circuit that adopts a straightforward, easy-to-implement method that offers low-cost and dependable temperature-control characteristics.